INTERNATIONAL JOURNAL OF MASS SPECTROMETRY AND ION PROCESSES, VOLUME 88 (1989)

AUTHOR INDEX

Abd El-Kader, F.H. 13
Abliz, Z. 175
Allam, S.H. 13
Amy, J.W. 97
Aoki, J. 175
Appelhans, A.D. 161

Bell, A.E. 59
Blais, J.C. 29
Bolbach, G. 29
Boyd, R.K. 147
Brenton, A.G. 309

Cooks, R.G. 97, 113

Dyer, E.W. 147

Ells, D.R. 277
Enke, C.G. 81

Fishel, D.L. 211
Fokkens, R.H. 241
Fukuyama, T. 227

Gabrielse, G. 319
Grib, H. 13
Guevremont, R. 147

Haarsma, L. 319
Hamdan, M. 309
Hand, O.W. 113
Hayashi, H. 69
Hébert, N. 29
Houriet, R. 283
Hudson, C.E. 133
Hunt, J.E. 211

Iraqi, M. 45
Iwai, H. 69
Iwashima, S. 175

Kan, T. 175
Kawano, H. 1
Khare, S.P. 299
Kishi, H. 1

Lee, L.C. 267
Li, L. 197
Lifshitz, C. 45
Louris, J.N. 97
Lubman, D.M. 197

Maas, W.P.M. 257
McAdoo, D.J. 133
Meath, W.J. 299

Nibbering, N.M.M. 241, 257

Okuyama, F. 69
Ozaki, Y. 227

Palmer, P.T. 81
Prakash, S. 299

Rao, S. 59
Ridley, T.Y. 97
Rolston, S.L. 319

Salehpour, M. 211
Schulze, C. 291
Schwarz, H. 291
Schwind, G.A. 59
Shehap, A.M. 13
Srivastava, S.K. 267
Stoffel(s), J.J. 277
Su, C.-S. 21
Swanson, L.W. 59

Tou, J.C. 211

Ueda, T. 175

Vulpius, T. 283

Wang, D.P. 267
Wincel, H. 241

INTERNATIONAL JOURNAL OF MASS SPECTROMETRY AND ION PROCESSES, VOLUME 88 (1989)

SUBJECT INDEX

acetonitrile
rearrangement and fragmentation of protonated — 241

Ar_nX^+
an anomalous drop in the intensity distribution of cluster ions —, X = Xe, N_2, CO_2 and CH_3 OH 227

atmospheric iodine
electron impact negative-ion mass spectrometry of —, 1

1-azabenzanthrone
electrostatic repulsion between localized charges on hetero-atoms in a doubly charged ion and mechanism of ionization and fragmentation. Electron impact mass spectra of benzanthrone, —, 8-azabenzanthrone and their 3-bromo substituents 175

8-azabenzanthrone
electrostatic repulsion between localized charges on hetero-atoms in a doubly charged ion and mechanism of ionization and fragmentation. Electron impact mass spectra of benzanthrone, 1-azabenzanthrone, — and their 3-bromo substituents 175

benzanthrone
electrostatic repulsion between localized charges on hetero-atoms in a doubly charged ion and mechanism of ionization and fragmentation. Electron impact mass spectra of —, 1-azabenzanthrone, 8-azabenzanthrone and their 3-bromo substituents 175

2-bromopyridine isomers
metastable ion studies on — and 3-bromopyridine isomers, 13

3-bromopyridine isomers
metastable ion studies on 2- and —, 13

$C_3H_7O^+$
evidence for ion–neutral complexes in — decompositions from CAD spectra of labeled daughter ions 133

doubly charged negative ions
formation of — in the gas phase by collisionally-induced "ion pair" formation from singly charged negative ions 257

E–Q scans
a practical approach to linked — over a wide mass range: partially linked scans with E-modulation 147

H–H bond formation
kinetic energy release distribution analysis as a mechanistic probe for the Mn^+-mediated — from gaseous 4-octyne and its implication for the oxidative addition of molecular hydrogen to ligated metal-ions 291

H_2O
dissociative ionization of NH_3 and — molecules by electron impact 299

injection of ions
— into a quadrupole ion trap mass spectrometer 97

ion ejection
external phase shift — in Fourier transform ion cyclotron resonance spectrometry 283

ion-optical bench
an — for testing ion source lenses 277

$LiNO_3$
lithium ion emission from a liquid metal ion source of —, 59

methanol
studies of ion clusters of atmospheric importance by tandem mass spectrometry. Neat and mixed clusters involving — and water, 45

molecular formula determination
programs for — employing data from unit resolution MS/MS spectra 81

N_2^+
vibrational excitation of — ($X^2\Sigma_g^+$, $v \geqslant 0$) in collision with monatomic and diatomic neutral targets 309

N_2^*
dissociative ionization of laser excited — by electron impact 267

NH_3
dissociative ionization of — and H_2O molecules by electron impact 299

noble metal adducts
emission of — and transition metal adducts in organic secondary ion mass spectrometry, 29
nucleosides
resonance enhanced multiphoton ionization of — by using pulsed-laser desorption in supersonic beam mass spectrometry 197

Penning traps
open-endcap — for high precision experiments 319
primary beam focusing
measurement and visual observation of sample charging effects on — in secondary ion mass spectrometry 161

radio frequency plasma chamber
coupling of a — with a quadrupole mass spectrometer equipped with a field ionization source, 69

secondary negative ions
desorption of — induced by impact of heavy ions near the Bohr velocity 211

time-of-flight mass spectrometer
multiple reflection type — with two sets of parallel-plate electrostatic fields, 21
transition metal adducts
emission of noble and — in organic secondary ion mass spectrometry, 29

water
studies of ion clusters of atmospheric importance by tandem mass spectrometry. Neat and mixed clusters involving methanol and —, 45

zwitterionic compounds
organic reactions at interfaces: charge minimization in desorption ionization of — 113